

Serial Number: 09/909,122

ENTERED

CRF Processing Date: 9/5/2001Edited by: ANVerified by: AN (STIC sta)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filenam at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatenIn bug). Sequences corrected: \_\_\_\_\_
- ☒ Other: Seq 4 - moved 2237 response up

Examiner: The above corrections must be communicated to the applicant in the first Office  
 Noted. DO NOT send a copy of this form. 2/1/95

#2

## RAW SEQUENCE LISTING

DATE: 09/05/2001

PATENT APPLICATION: US/09/909,122

TIME: 20:44:14

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\09052001\I909122.raw

```

4 <110> APPLICANT: Carney, Darrell H.
5      Crowther, Roger S.
6      Simmons, David J.
7      Yang, Jinping
8      Redin, William R.
10 <120> TITLE OF INVENTION: Stimulation Of Bone Growth With Thrombin
11      Peptide Derivatives
13 <130> FILE REFERENCE: 3033.1002-001
C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/909,122
C--> 15 <141> CURRENT FILING DATE: 2001-07-19
15 <150> PRIOR APPLICATION NUMBER: US 60/219,300
16 <151> PRIOR FILING DATE: 2000-07-19
18 <160> NUMBER OF SEQ ID NOS: 5
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 10
24 <212> TYPE: PRT
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Peptide fragment of Thrombin
30 <400> SEQUENCE: 1
31 Cys Glu Gly Asp Ser Gly Gly Pro Phe Val
32 1          5          10
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 10
37 <212> TYPE: PRT
38 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Peptide fragment of Thrombin
43 <221> NAME/KEY: VARIANT
44 <222> LOCATION: (1)...(10)
45 <223> OTHER INFORMATION: Xaa at position two is Glu or Gln
46      Xaa at position nine is Phe, Met, Leu, His or Val
48 <400> SEQUENCE: 2
W--> 49 Cys Xaa Gly Asp Ser Gly Gly Pro Xaa Val
50 1          5          10
60 <210> SEQ ID NO: 3
61 <211> LENGTH: 4
62 <212> TYPE: PRT
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: Peptide fragment of Thrombin
68 <400> SEQUENCE: 3
69 Arg Gly Asp Ala
70 1
73 <210> SEQ ID NO: 4
74 <211> LENGTH: 14

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/909,122

DATE: 09/05/2001

TIME: 20:44:14

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\09052001\I909122.raw

```

75 <212> TYPE: PRT
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Peptide fragment of Thrombin
81 <221> NAME/KEY: VARIANT
82 <222> LOCATION: (1)...(14)
83 <223> OTHER INFORMATION: Xaa at position six is Glu or Gln,
84     Xaa at position thirteen is Phe, Met, Leu, His or Val
86 <400> SEQUENCE: 4
W--> 87 Arg Gly Asp Ala Cys Xaa Gly Asp Ser Gly Gly Pro Xaa Val
      88  1          5          10
91 <210> SEQ ID NO: 5
92 <211> LENGTH: 25
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Peptide fragment of Thrombin
99 <400> SEQUENCE: 5
100 Ala Gly Thr Arg Tyr Lys Pro Asp Glu Gly Lys Arg Gly Asp Ala Cys
101  1          5          10          15
102 Glu Gly Asp Ser Gly Gly Pro Phe Val
103          20          25

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/909,122

DATE: 09/05/2001

TIME: 20:44:15

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\09052001\I909122.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application No  
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:87 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/909,122

DATE: 07/30/2001

TIME: 14:52:56

Input Set : A:\30331002-001.txt

Output Set: N:\CRF3\07302001\I909122.raw

4 <110> APPLICANT: Carney, Darrell H.  
 5 Crowther, Roger S.  
 6 Simmons, David J.  
 7 Yang, Jinping  
 8 Redin, William R.  
 10 <120> TITLE OF INVENTION: Stimulation Of Bone Growth With Thrombin  
 11 Peptide Derivatives  
 13 <130> FILE REFERENCE: 3033.1002-001  
 C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/909,122  
 C--> 15 <141> CURRENT FILING DATE: 2001-07-19  
 15 <150> PRIOR APPLICATION NUMBER: US 60/219,300  
 16 <151> PRIOR FILING DATE: 2000-07-19  
 18 <160> NUMBER OF SEQ ID NOS: 5  
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply  
 Corrected Diskette Needed

## ERRORED SEQUENCES

73 <210> SEQ ID NO: 4  
 74 <211> LENGTH: 14  
 75 <212> TYPE: PRT  
 76 <213> ORGANISM: Artificial Sequence  
 78 <220> FEATURE:  
 79 <223> OTHER INFORMATION: Peptide fragment of Thrombin  
 81 <221> NAME/KEY: VARIANT  
 82 <222> LOCATION: (1)...(14)  
 83 <223> OTHER INFORMATION: Xaa at position six is Glu or Gln  
 84 Xaa at position thirteen is Phe, Met, Leu, His or  
 E--> 85 Val  
 W--> 87 <210> SEQ ID NO:  
 W--> 87 <211> LENGTH:  
 W--> 87 <212> TYPE:  
 W--> 87 <213> ORGANISM:  
 87 <400> SEQUENCE: 4  
 E--> 88 Arg Gly Asp Ala Cys Xaa Gly Asp Ser Gly Gly Pro Xaa Val  
 89 1 5 10

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/909,122

DATE: 07/30/2001

TIME: 14:52:57

Input Set : A:\30331002-001.txt

Output Set: N:\CRF3\07302001\I909122.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application No  
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:85 M:252 E: No. of Seq. differs, <211>LENGTH:Input:14 Four SEQ:4  
L:87 M:282 W: Numeric Field Identifier Missing, <210> is required.  
L:87 M:282 W: Numeric Field Identifier Missing, <211> is required.  
L:87 M:282 W: Numeric Field Identifier Missing, <212> is required.  
L:87 M:282 W: Numeric Field Identifier Missing, <213> is required.